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EOD Head-End Access Architecture

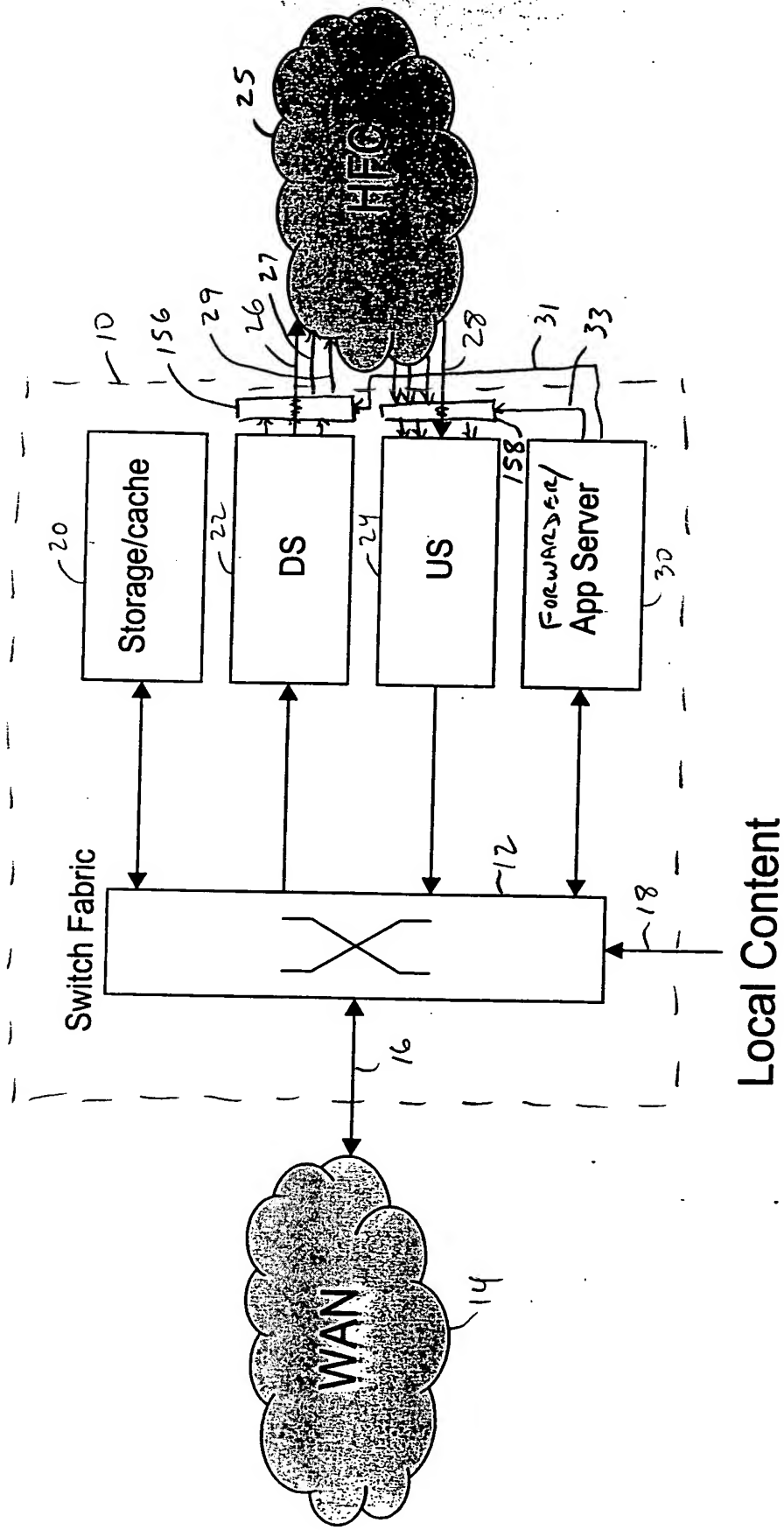


FIG. 1

DOCSIS Data & Control messages path

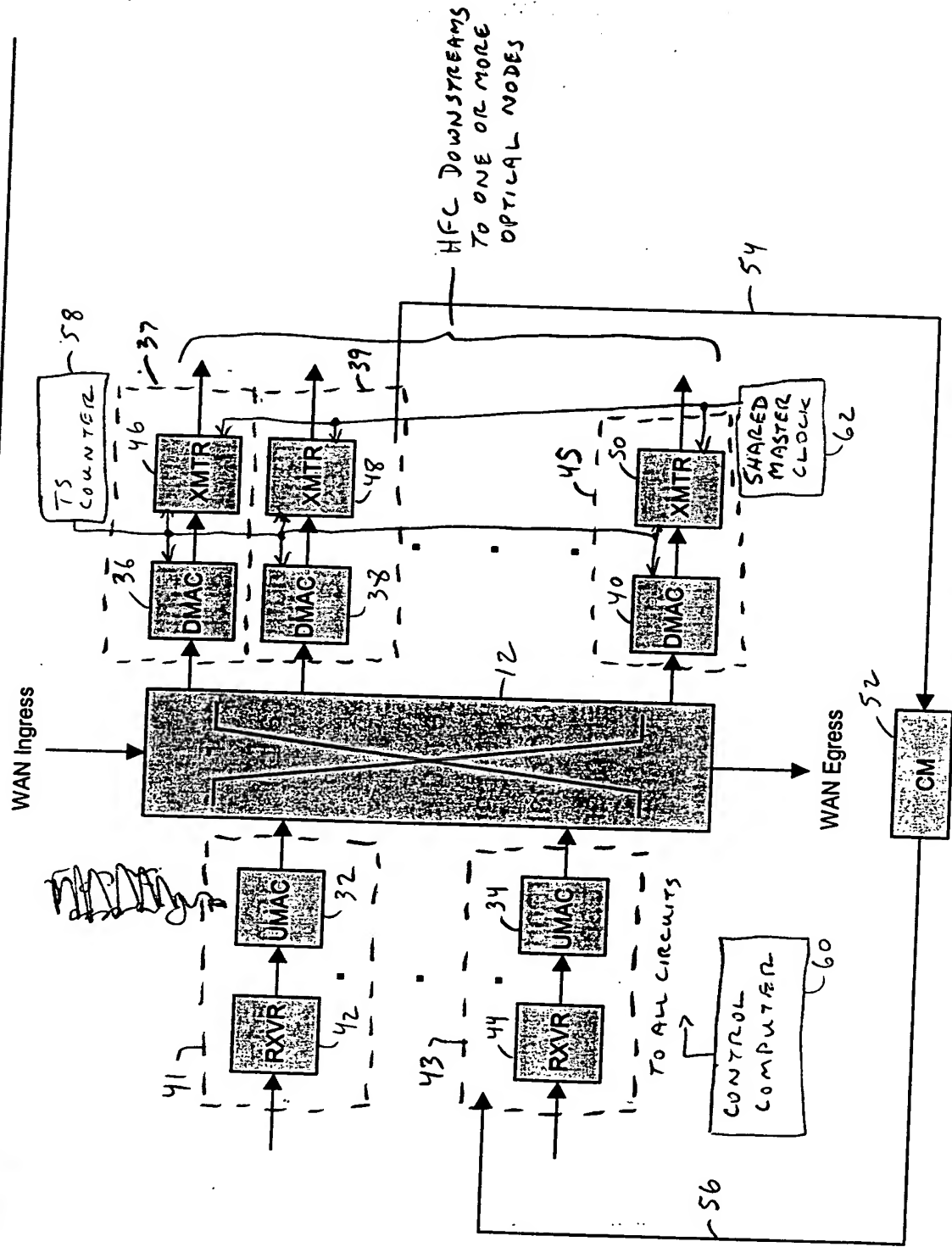


FIG. 2

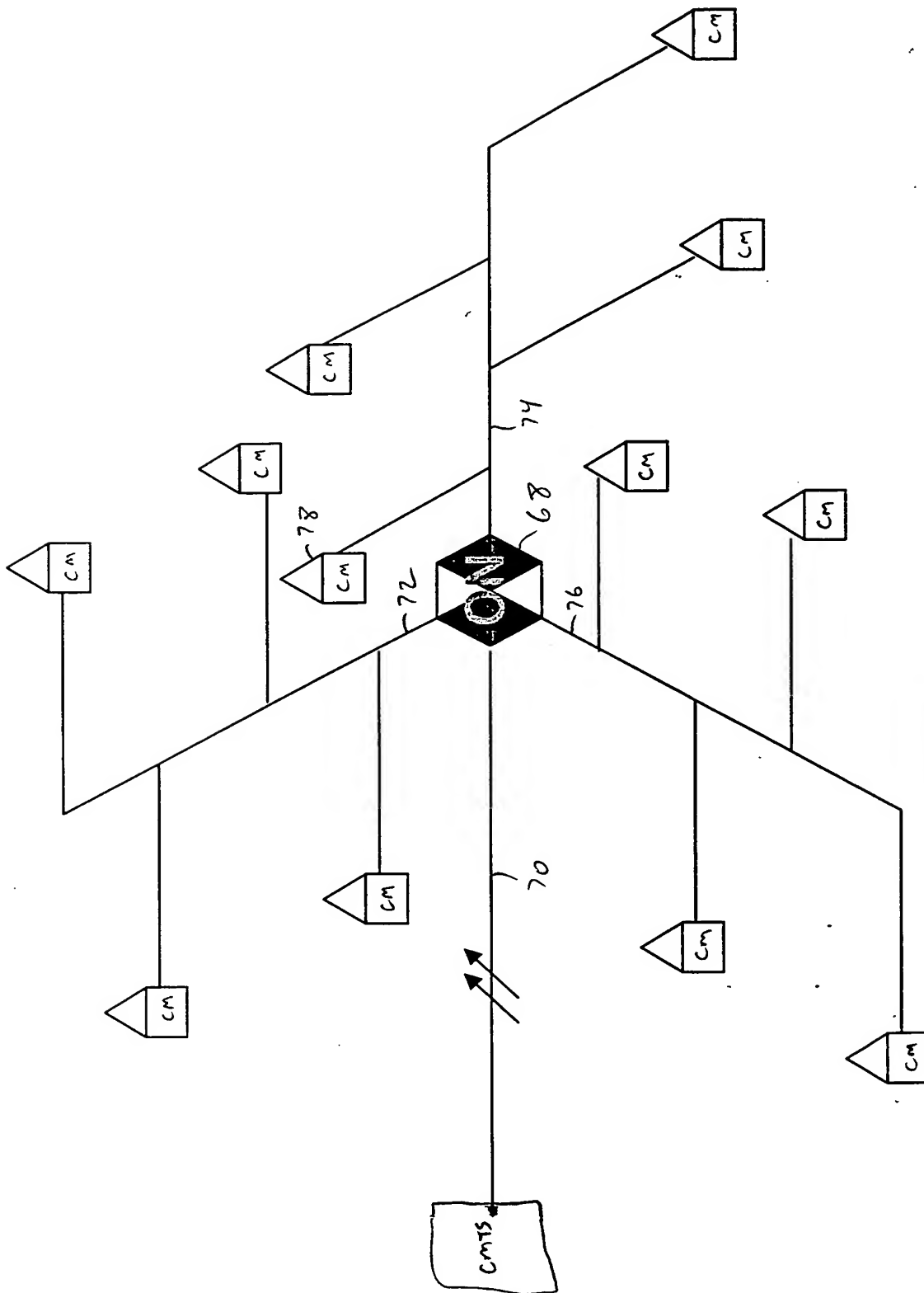


FIG. 3

HFC Network – Star Topology

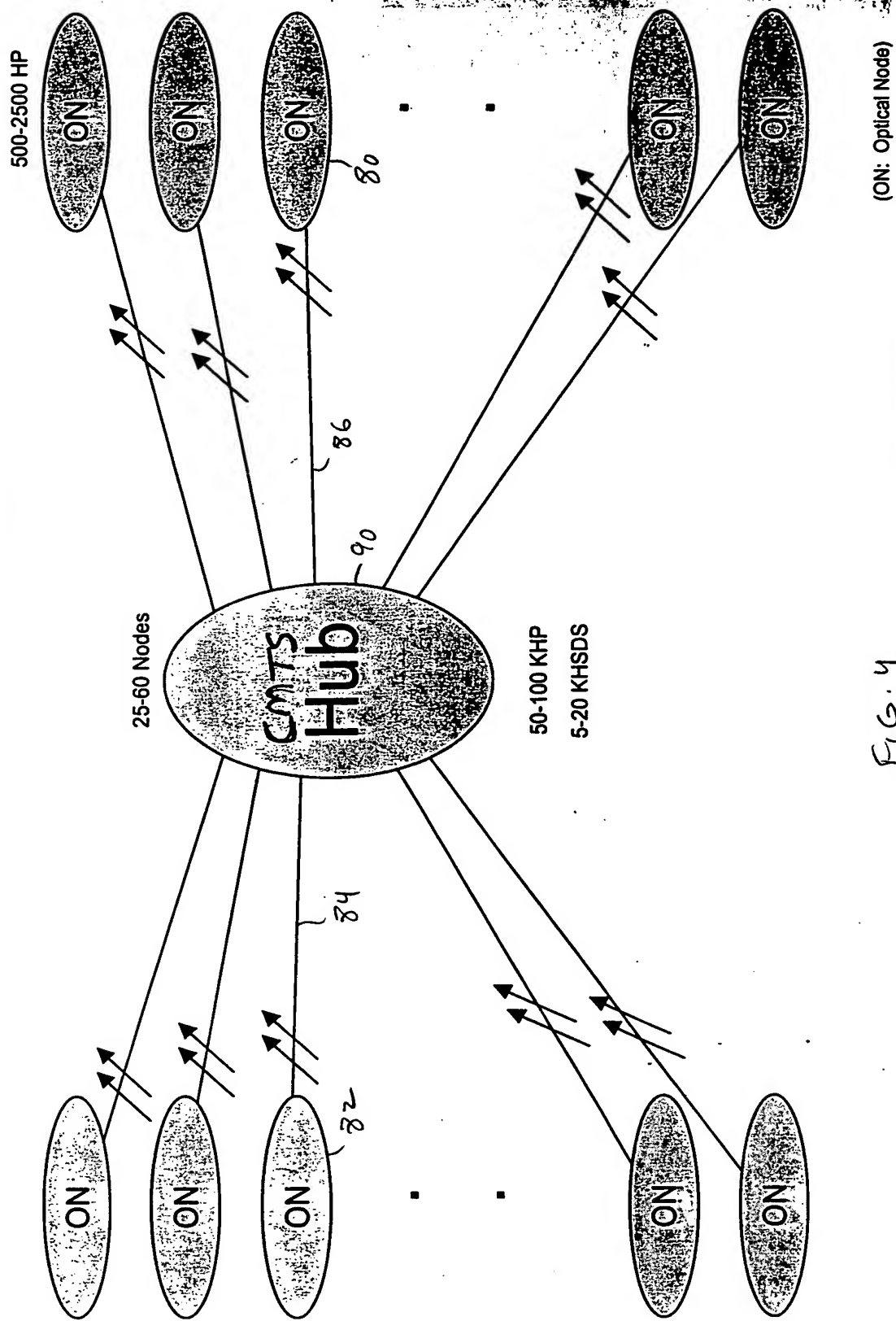


FIG. 4

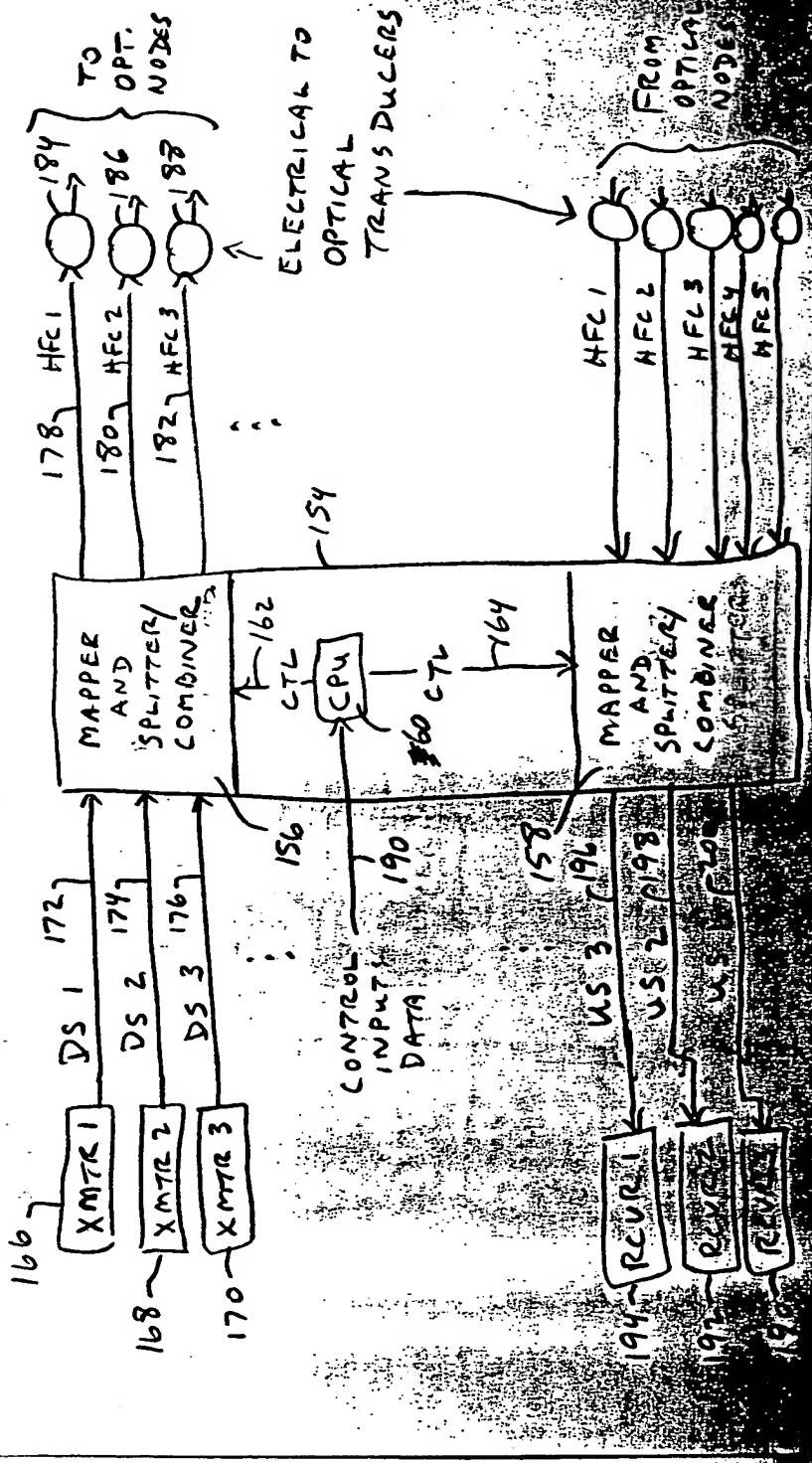


FIG. 5

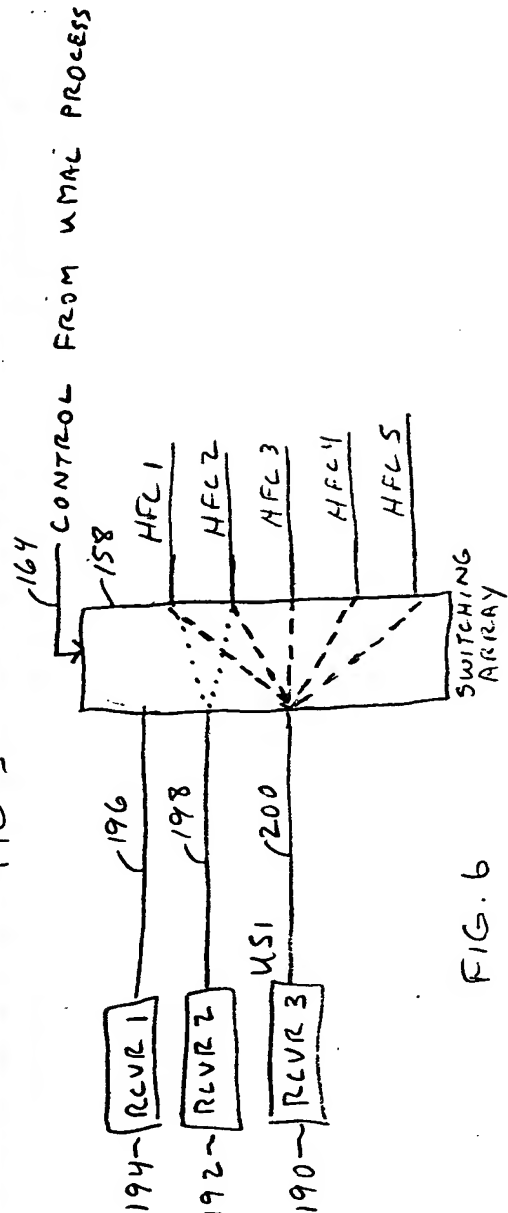
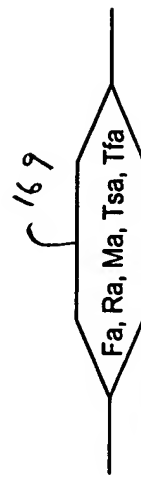
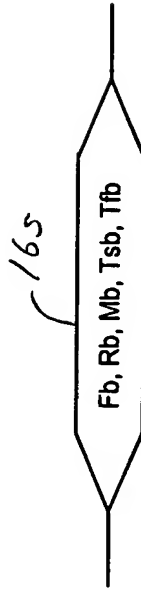


FIG. 6

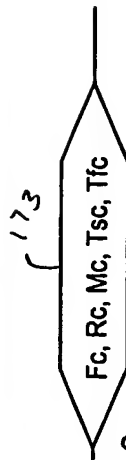
Non Overlapping bursts over multiple nodes



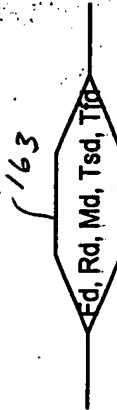
Node A



Node B



Node C



Node D

FIG. 7



FIG. 8

PROCESS TO CREATE AND CHANGE US/DS MAPPING IN THE PRESENCE OF NOISE AGGREGATION

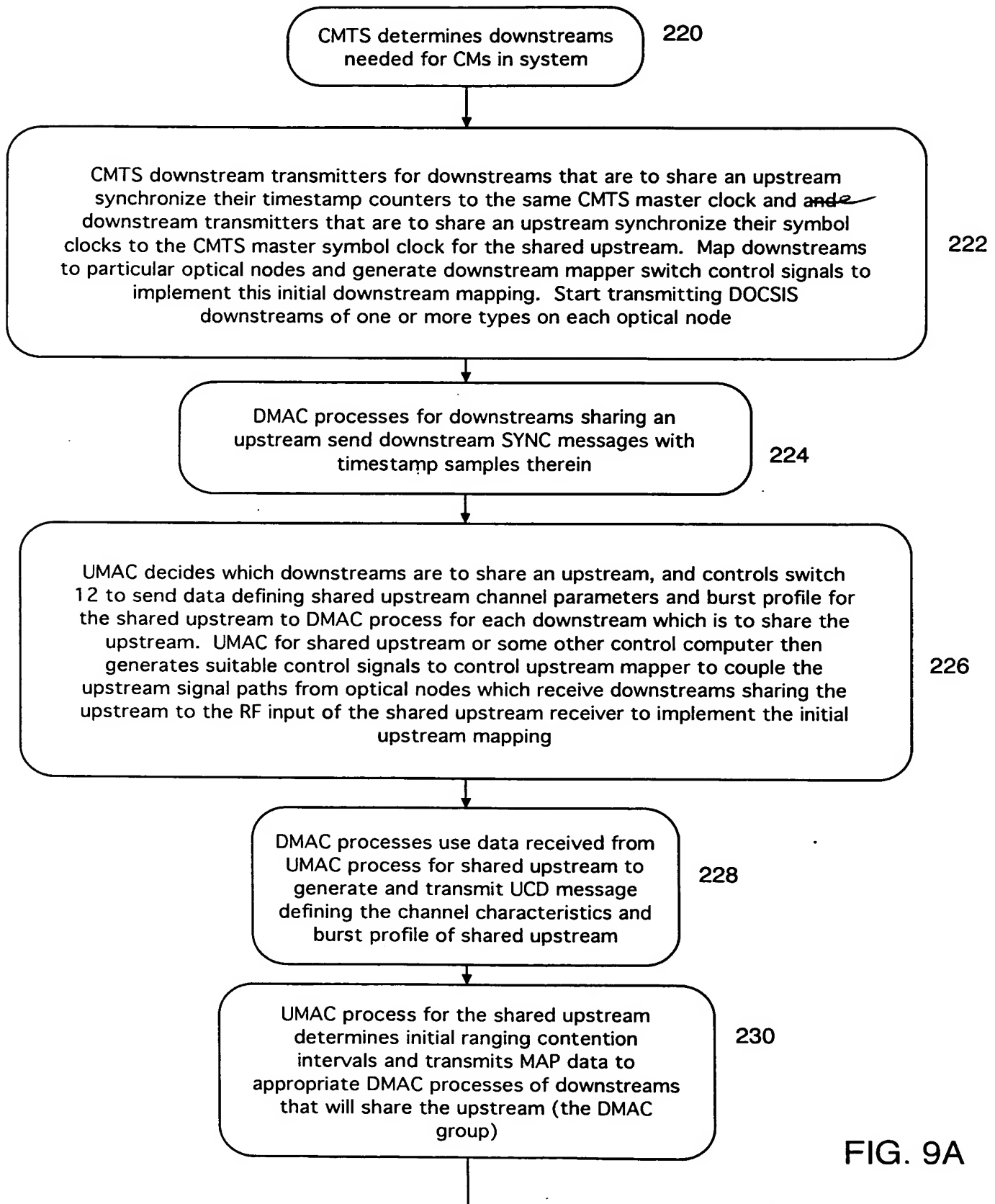


FIG. 9A

FIG. 9B

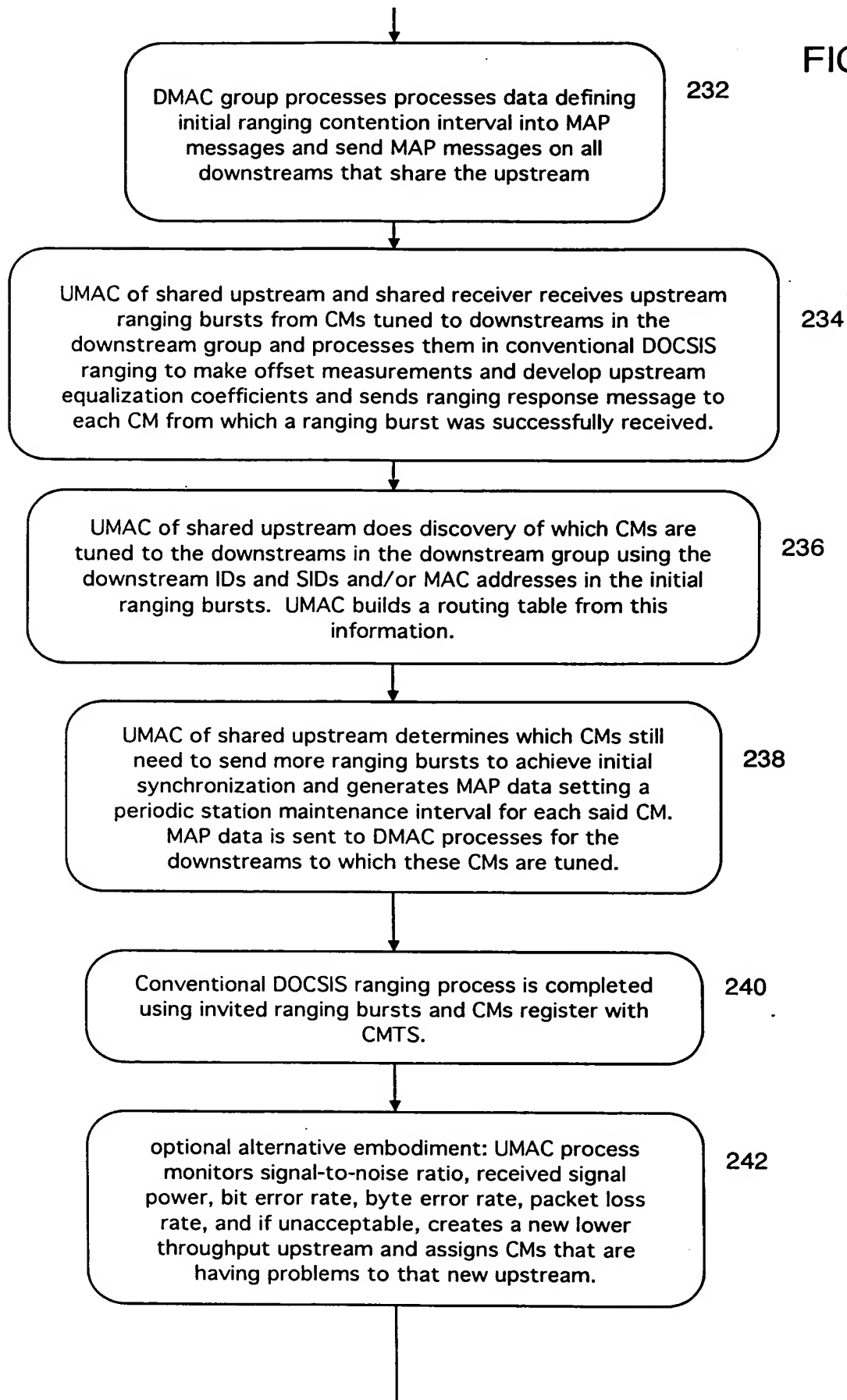
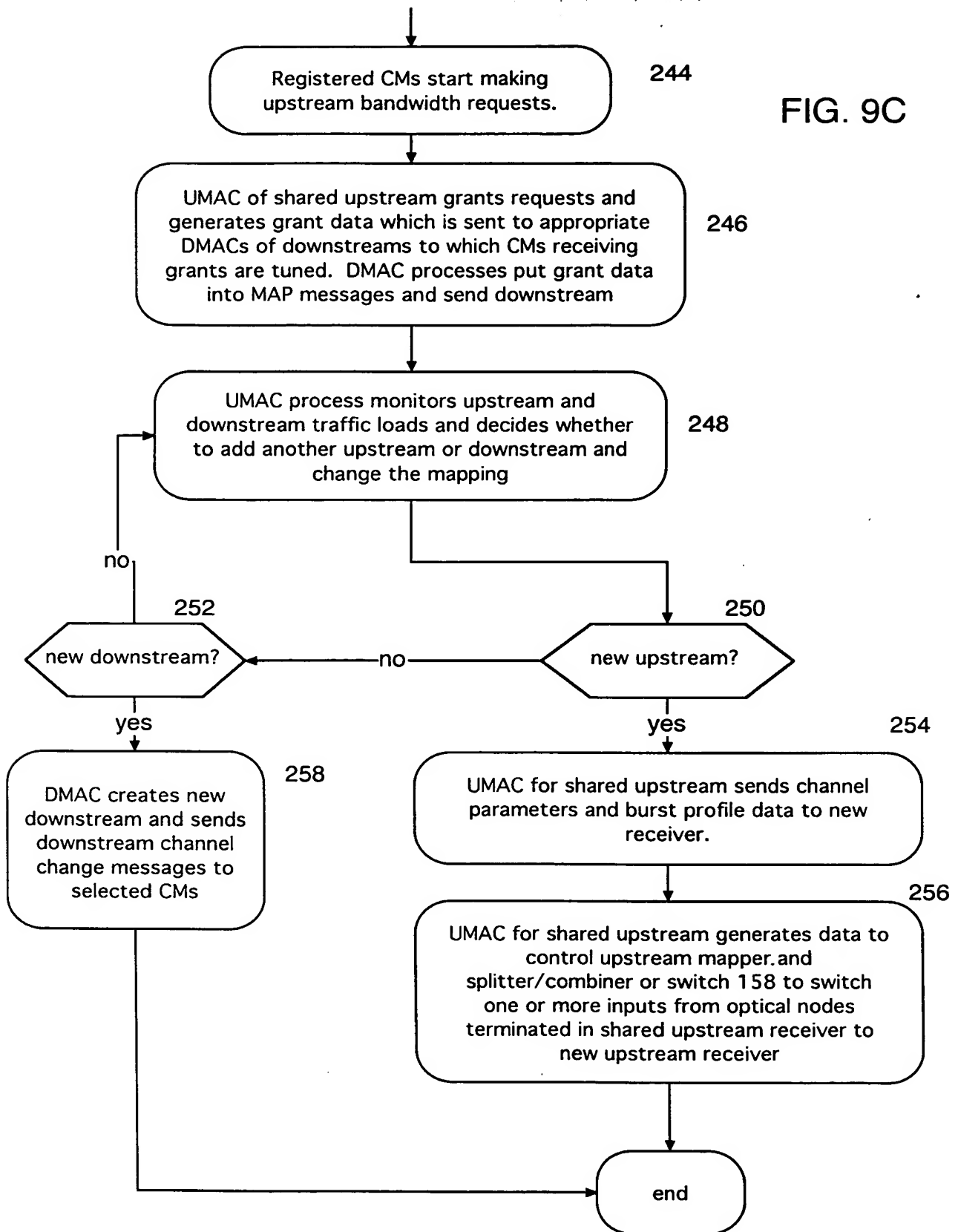


FIG. 9C



PROCESS TO CREATE AND CHANGE US/DS MAPPING IN THE PRESENCE OF NOISE AGGREGATION

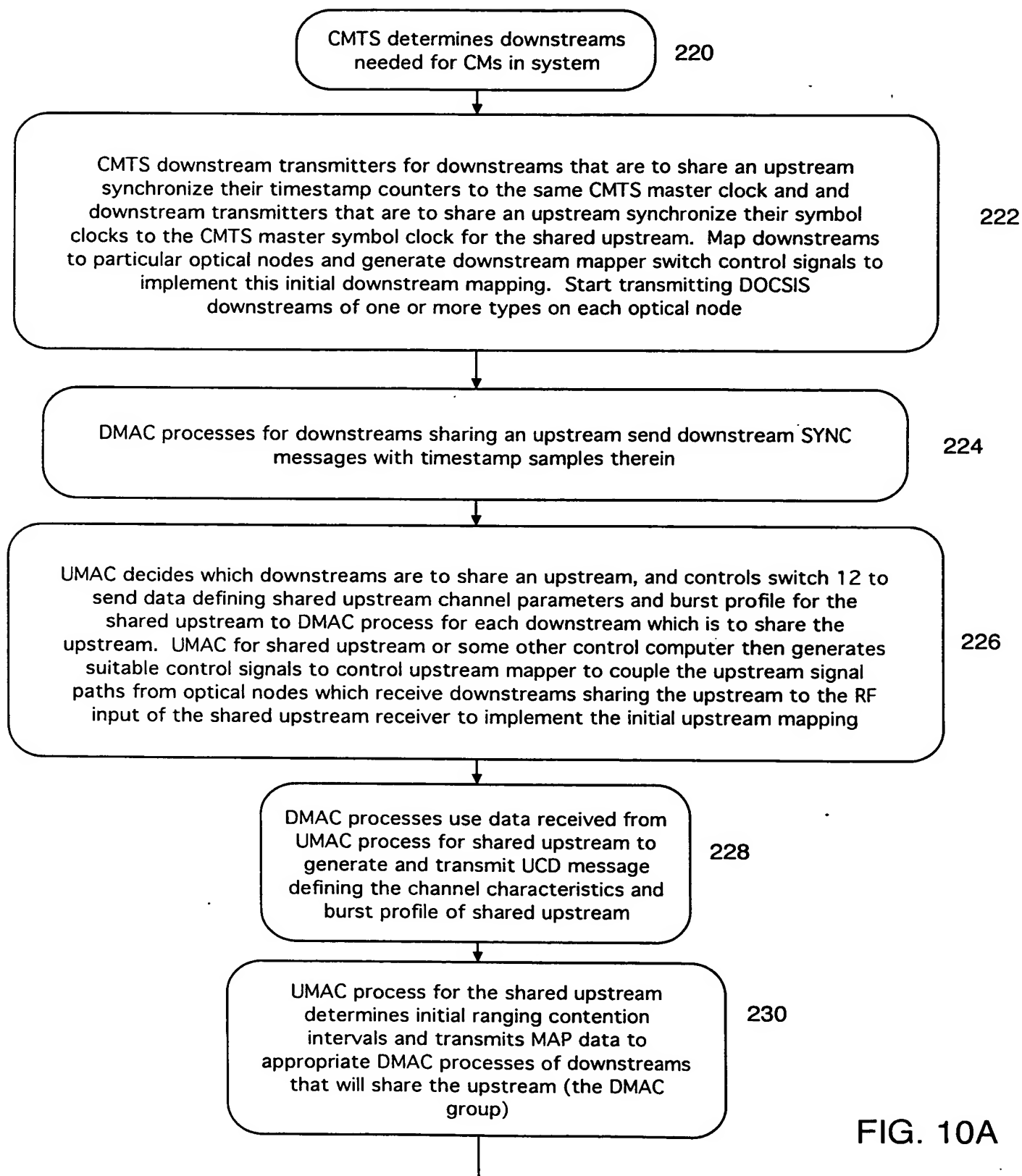


FIG. 10A

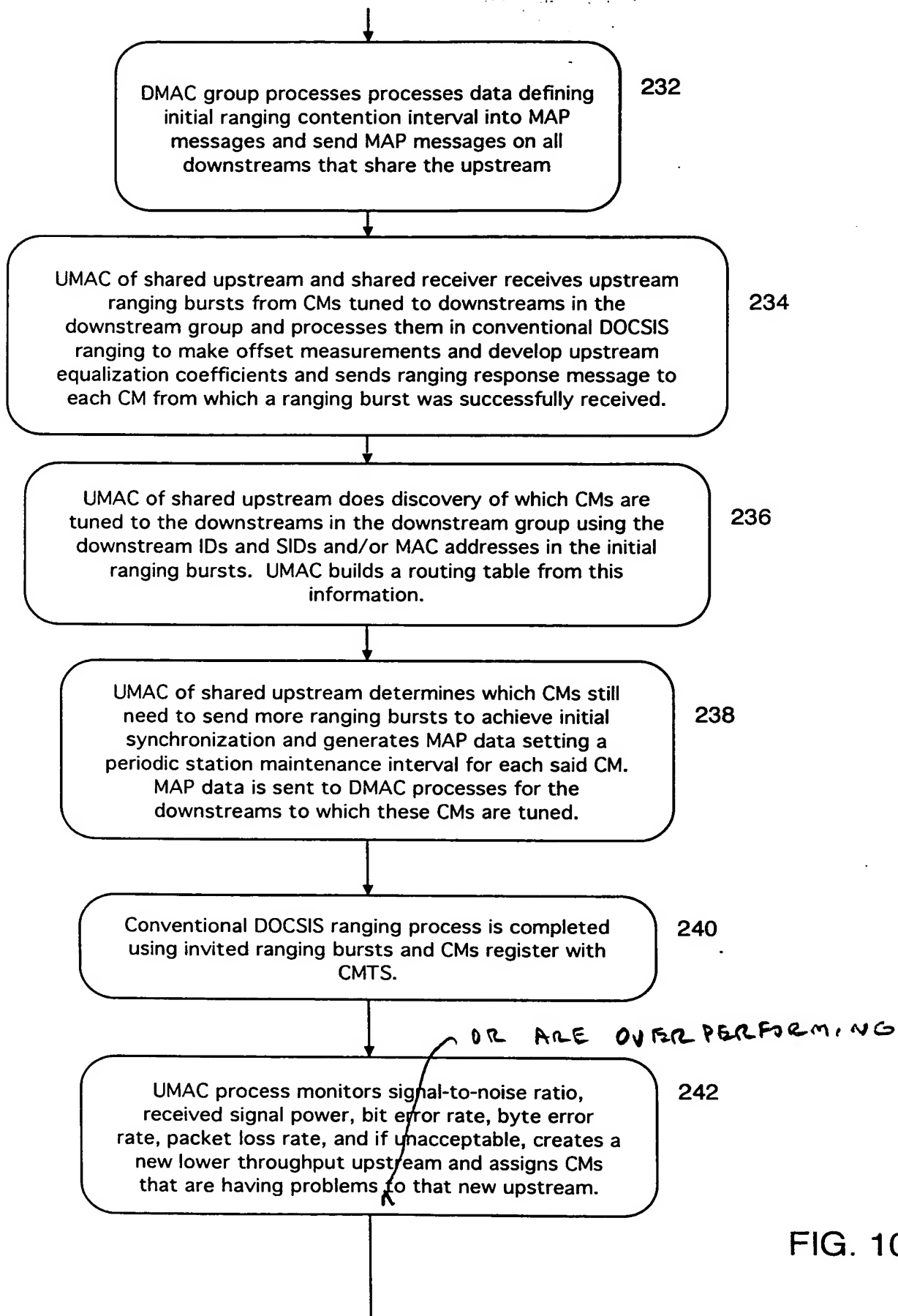
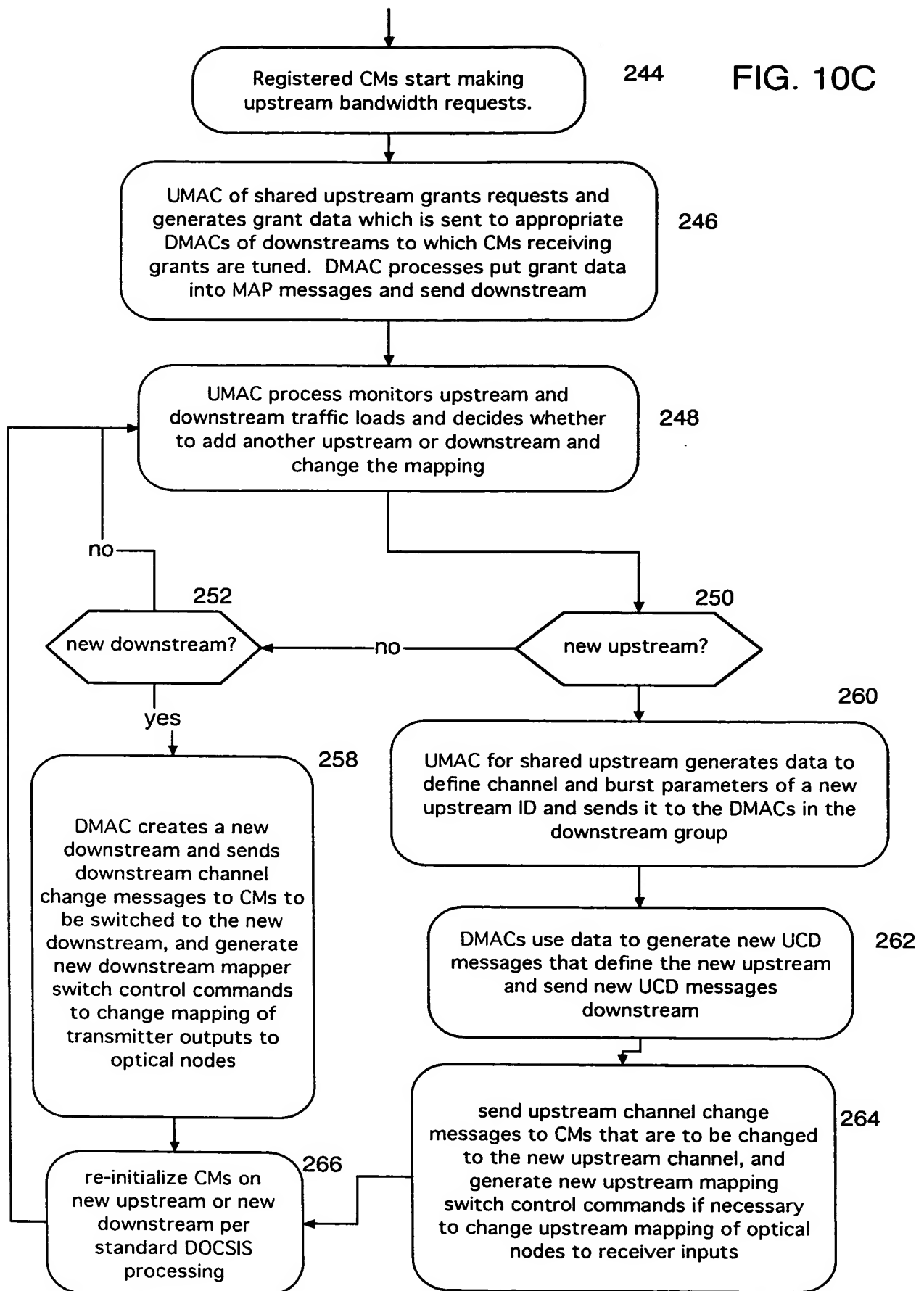


FIG. 10B



~~WITH~~ **WITHOUT**

PROCESS TO CREATE AND CHANGE US/DS MAPPING ~~IN THE PRESENCE OF~~ NOISE AGGREGATION

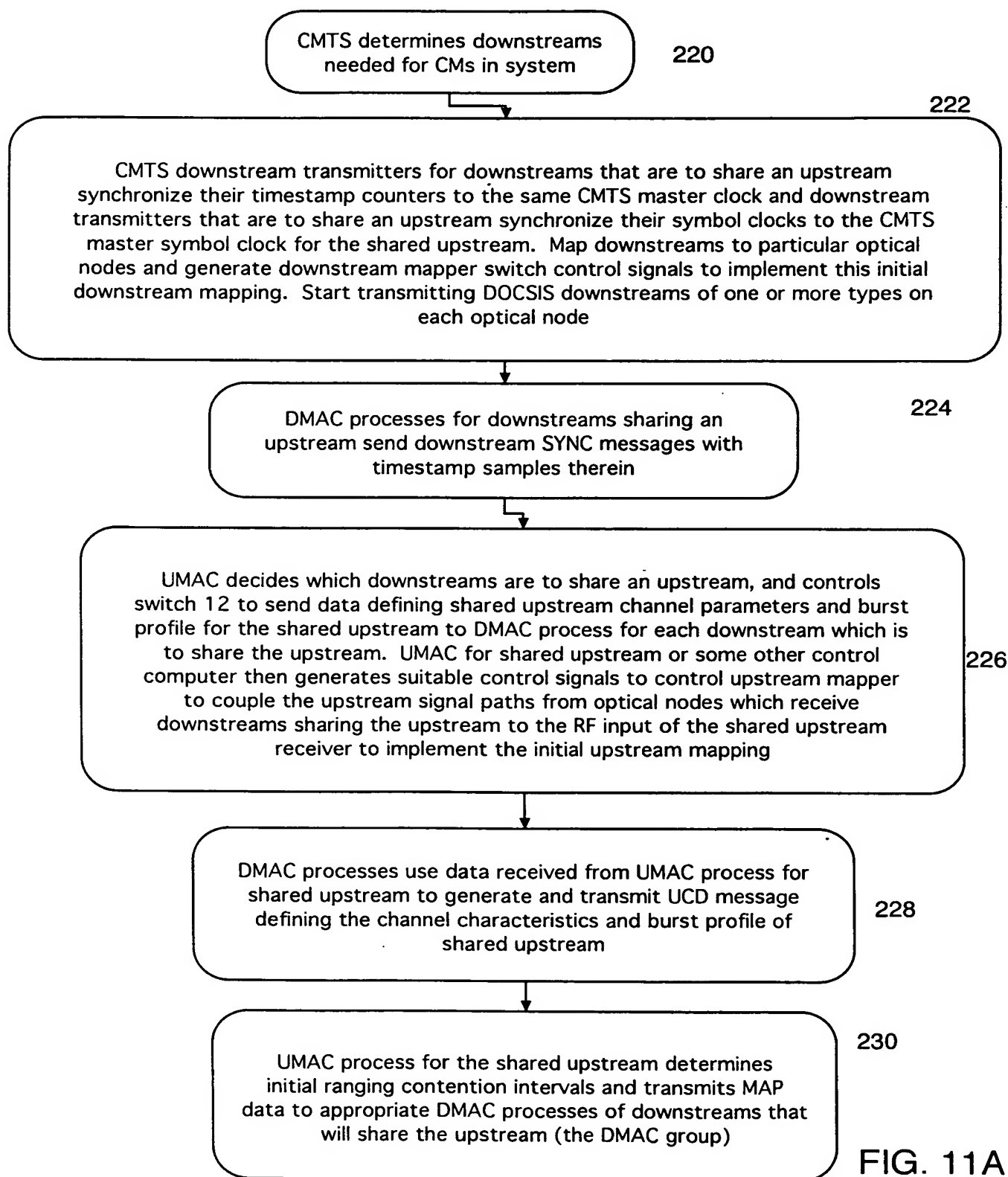


FIG. 11A

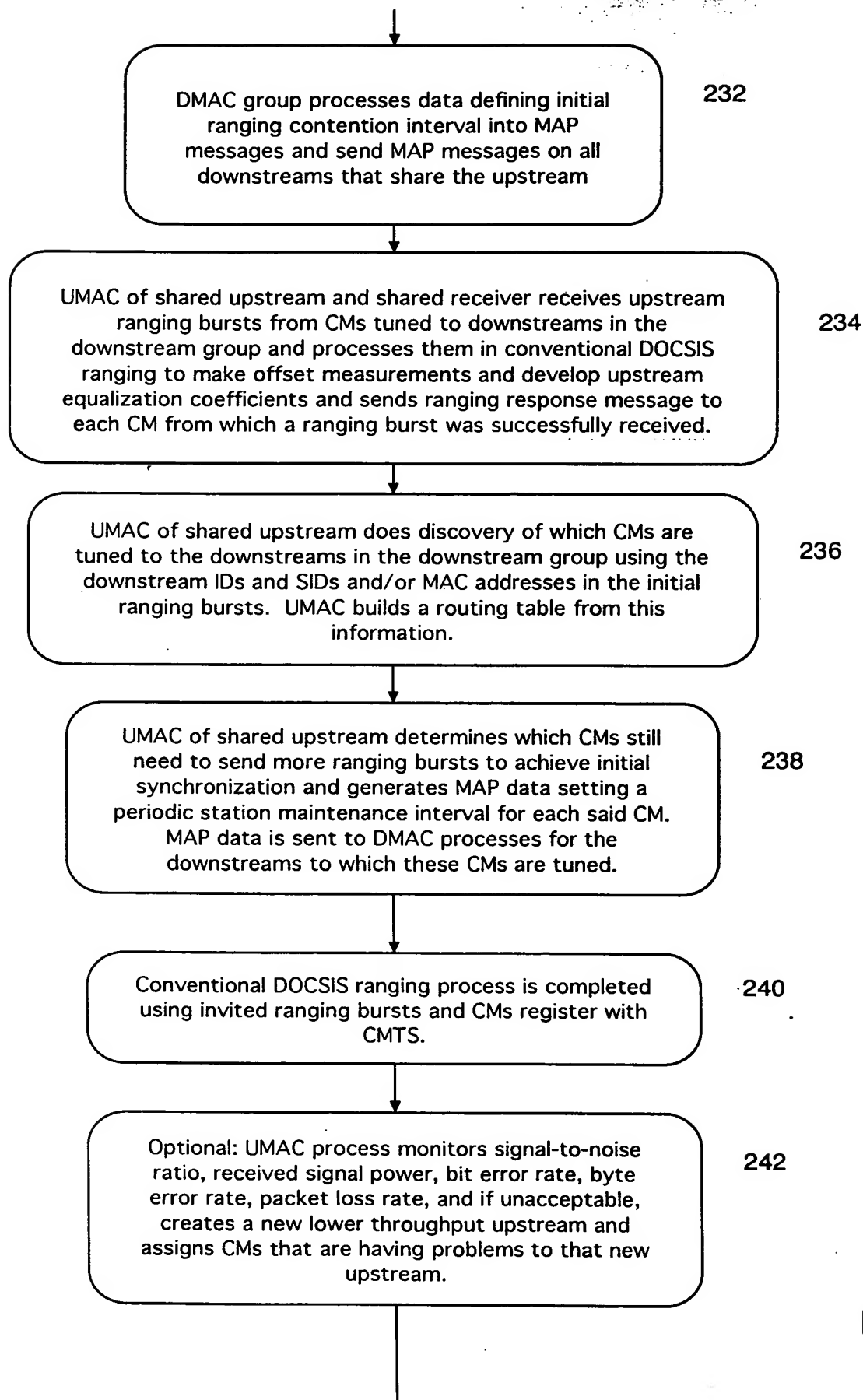
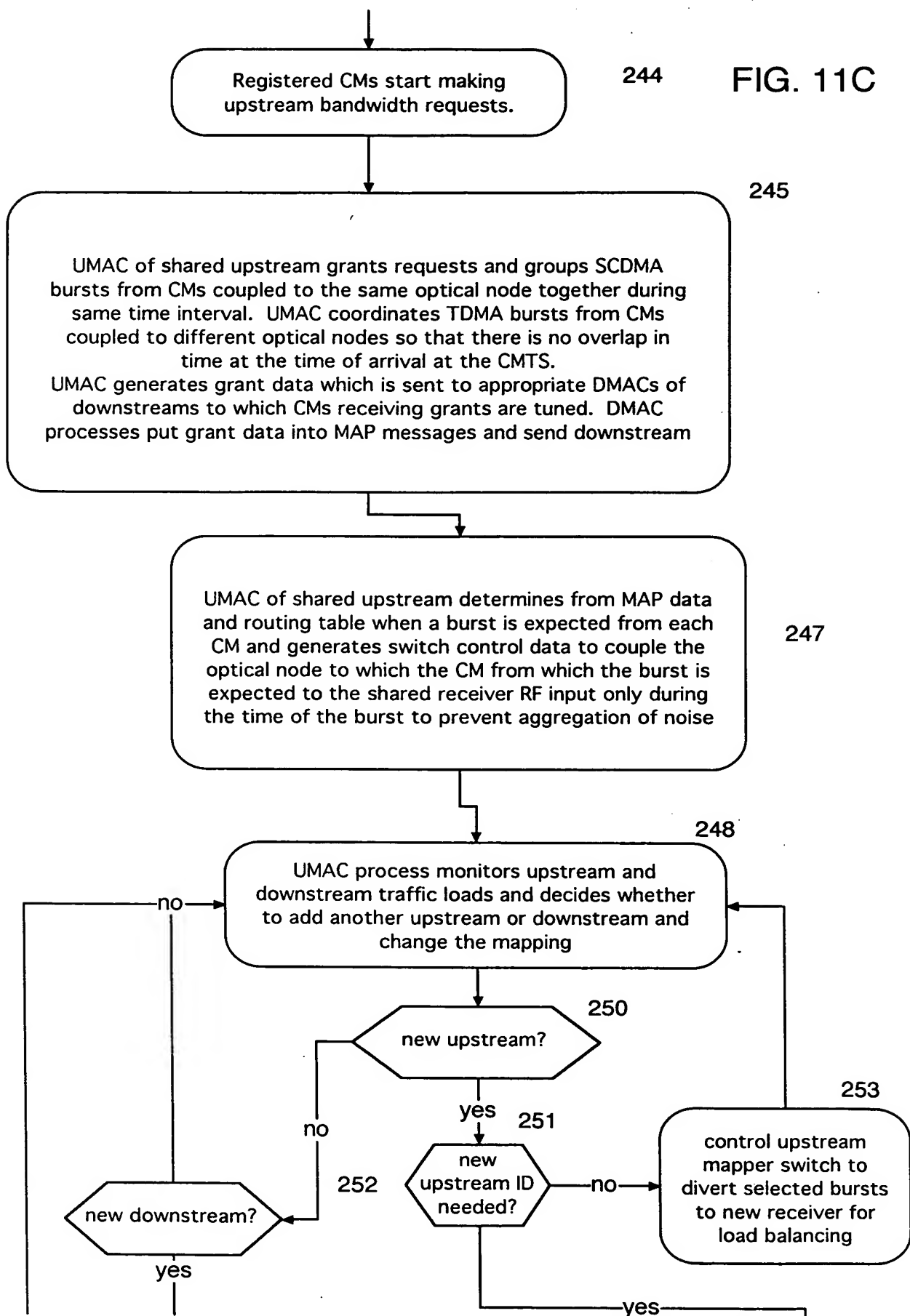
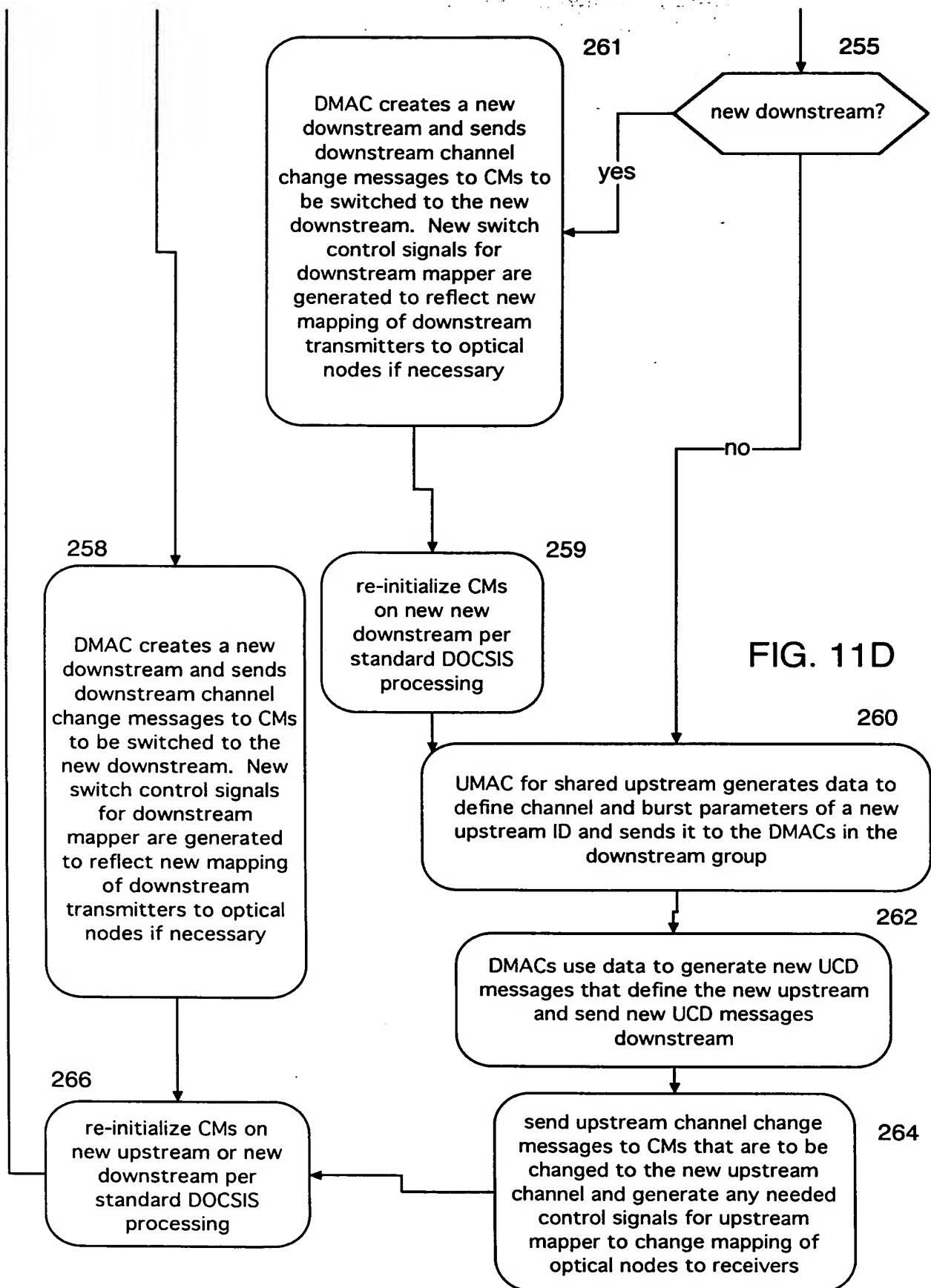


FIG. 11B





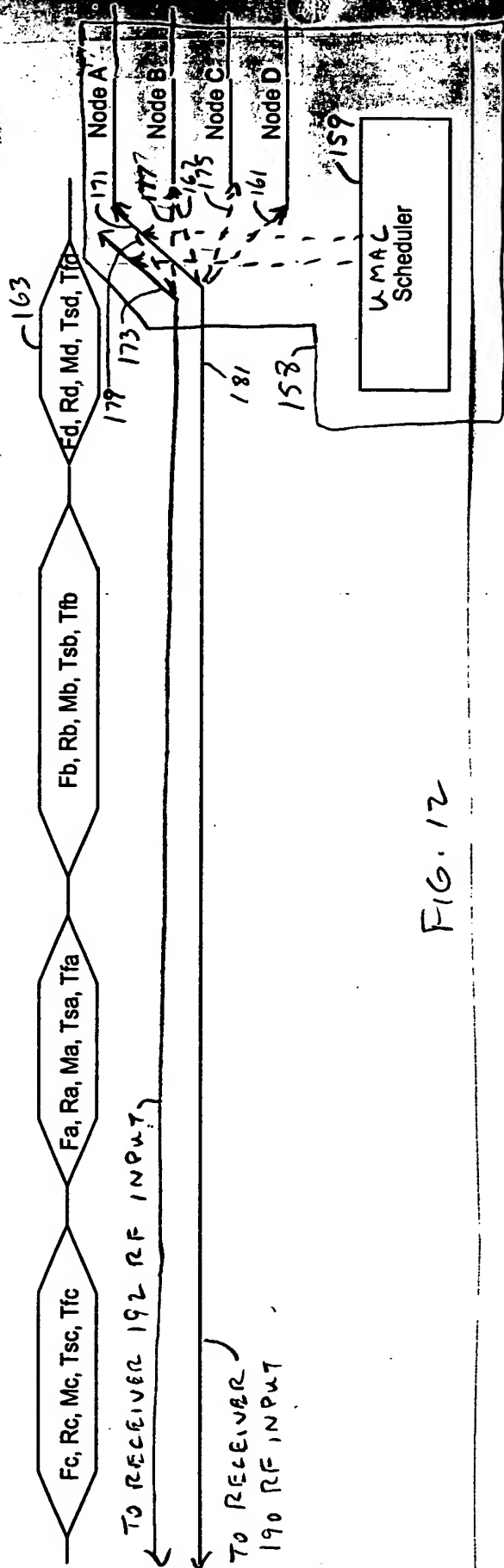


FIG. 12